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Claims:

1. A non-slow-binding thrombin inhibitor of the formula:

A-B-C-Lys-D

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A is H, 2-hydroxy-3-cyclohexyl-propionyl-, R_1 , R_1 -O-CO-, R_1 -CO-, R_1 -SO₂-, -(CHR₂)_nCOOR₃, or an N-protecting group, wherein

R₁ is selected from -(1-6C)alkylene-COOH, (1-12C)alkyl, (2-12C)alkenyl, (6-14C)aryl, (7-15C)aralkyl and (8-16C)aralkenyl, the aryl group of which may be substituted with (1-6C)alkyl, (2-12C)alkoxy, hydroxy, or halogen;

R₂ is H or has the same meaning as R₁;

R₃ is selected from H, (1-12C)alkyl, (2-12C)alkenyl, (6-14C)aryl, (7-15C)aralkyl and (8-16C)aralkenyl, the aryl group of which may be substituted with (1-6C)alkyl, (2-12C)alkoxy, hydroxy, or halogen;

n is an integer of 1 to 3;

B is a bond, L-Asp or an ester derivative thereof, Leu, norLeu, -N(benzyl)-CH₂-CO-, -N(2-indane)-CH₂-CO-, D-1-Piq, D-3-Piq, D-Tiq, Atc or a D-amino acid having a hydrophobic aromatic side chain;

C is Azt, Pro, Pec, norLeu(cyclo)Gly, an amino acid of one of the formulae -N[(3-8C)cycloalkyl]-CH₂-CO- or -N(benzyl)-CH₂-CO-;

D is selected from COOH, tetrazole, oxazole, thiazole and benzothiazole;

or A and C have the aforesaid meanings, B is D-(3-8C)cycloalkylalanine, and D is tetrazole, oxazole, thiazole or benzothiazole;

or a prodrug thereof;

- or a pharmaceutically acceptable salt thereof;
 with the exception of the compound Me-D-Phe-Pro-Lys-COOH.
 - 2. The non-slow-binding thrombin inhibitor of claim 1 wherein D is COOH.
- 30 3. The non-slow-binding thrombin inhibitor of claim 2 wherein A is H, (1-12C)alkyl, -CO-(7-15C)aralkyl, -SO₂-(1-12C)alkyl, -SO₂-(6-14C)aryl, or -SO₂-(7-15C)aralkyl; B is a bond, L-Asp, norLeu, D-1-Piq, or D-Phe; and C is Pro, norLeu(cyclo)Gly, or -N(cyclopentyl)-CH₂-CO-.

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- 4. The non-slow-binding thrombin inhibitor of claim 3, wherein A is -SO₂-benzyl, B is a bond, and C is norLeu(cyclo)Gly, or wherein A is -SO₂-ethyl, B is D-Phe, and C is Pro; or wherein A is hydrogen, B is D-1-Piq, and C is Pro.
- 5. The non-slow-binding thrombin inhibitor of claim 1, wherein D is oxazole or thiazole.
- 6. The non-slow-binding thrombin inhibitor of claim 5, wherein A is H, (1-12C)alkyl, 2-hydroxy-3-cyclohexyl-propionyl-, -CO-(7-15C)aralkyl, -CO-(CH₂)_nCOOH -SO₂-(6-14C)aryl, -SO₂-(7-15C)aralkyl, -SO₂-(1-12C)alkyl, -(CHR₂)_nCOOR₃, R₂ being H or (1-12Calkyl) and R₃ being H, (1-12C)alkyl or benzyl; and C is Pro, norLeu(cyclo)Gly, or -N[(3-8C)cycloalkyl]-CH₂-CO-.
- 7. A process for preparing a non-slow-binding thrombin inhibitor of claim 1, the process including coupling suitably protected amino acids or amino acid analogs, followed by removing the protecting groups.
 - 8. A pharmaceutical composition comprising the non-slow-binding thrombin inhibitor of any one of claims 1-6 and pharmaceutically acceptable auxiliaries.
- 9. The non-slow-binding thrombin inhibitor of any one of claims 1-6 for use in therapy.
- 10.Use of the non-slow-binding thrombin inhibitor of any one of claims 1-6 for the manufacture of an antithrombotic medicament.